

# Math and Physical Sciences Teacher Education - CIP 13.1399.02

**1998-1999 TRANSFER FRAMEWORK: Requirements of the Sending Institution**  
**33 hour General Education Component + 15 hours Institutional General Education**  
**Requirement + 12 hour Specialty Component = 60 hour Transfer Framework**

## Introduction

A degree such as BA or BS listed under the institutional abbreviation indicates the university offers a baccalaureate degree in the program. You can begin the program by completing the transfer framework at any college or university for which courses are listed. For additional information, consult your academic advisor and institutional catalogs. Courses listed for the Community College System may not be offered at every location. Contact the college you plan to attend regarding availability of specific courses.

## Program Notes

An 'S' below indicates that the program has restricted and/or limited admissions. The program may require an additional application process or have specific grade point average requirements for application and/or acceptance.

## Program Notes

A T below indicates that teacher education certification in this program is available.

EKU	KSU	MOSU	MUSU	NKU	UK	UL	WKU	UKCCS
		BS (S,T)		BA (S,T)	BA (S)		BS (S,T)	

## General Education Transfer Component - 48 hours

Complete the General Education Transfer Component according to the general education requirements for this major at the sending institution, unless specific courses are listed below. General Education courses may also count toward the major, or a minor, or a second major.

Written Communications - 6 hrs								
Oral Communication - 3 hrs								
Humanities - 6 hrs								
Behavioral/Social Sciences - 9 hrs								
Mathematics (Minimum College Algebra) - 3 hrs								
Natural Sciences - 6 hrs								
Other General Education Requirements - 15 hrs								

## Specialty Transfer Component - 12 hours

All of the requirements of the Specialty Component blocks must be fulfilled, even when the blocks total more than 12 hours. At most institutions, the additional hours will be used for part of the General Education requirements.

Calculus - 8-10 hrs	MAT 124* & 224*	MAT 201* & 202	MATH 175* & 275*	MAT 250* & 308*	MAT (120* or (121* & 122*)) & 220*	MA 113* & 114*	MATH 205* & 206*	MATH 126* & 227	MA 113* & 114*
Physics - 5 hrs	PHY 201*	PHY 211	PHYS 201* & 201A*	PHY 235* & 236	PHY 220*	PHY 231* & 241*	PHYS 295* & 298*	PHYS 250* & 251*	PHY 231* & 241*
Chemistry - 8 hrs	CHE 111* & 112	CHE 101* & 102	CHEM 111* & 112*	CHE 121* & 122*	CHE 120* & 120L* & 121* & 121L*	CHE 105* & 107* & 115*	CHEM 201* & 202* & 203*	CHEM 120* & 121* & 222* & 223*	CHE 105* & CHE 107* & (CHE 115* or (CHM 105 & CHE 107*))
Human Growth / Development - 3 hrs	EPY 319	EDU 221	EDF 211	EDP 260	EDU 300	EDP 202	HPES 320	PSY 310	EDP 202

\* Course meets general education requirements. Applicability of the course to specific general education requirements may vary depending on program requirements and institutional policies.